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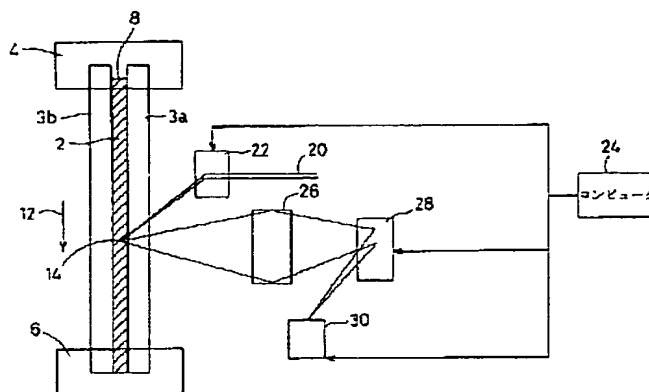
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TITLE : SCANNING TYPE FLUORESCENCE
DETECTOR



ABSTRACT : PROBLEM TO BE SOLVED: To use a single optical detector for fluorescence detection and receive fluorescence generated on a scanning line without mechanically scanning a light receiving optical system.

SOLUTION: Rotation of a mirror 22 is controlled so that a laser beam may move on a scanning line 14, fluorescence is collected by an arc sign lens 26 so that the fluorescence generated from the migration band of a DNA fraction excited by the laser beam 20 is detected, and a light receiving optical system for receiving it by a photomultiplier 30 through a mirror 28 is provided. The mirrors 22, 28 are controlled by a computer 24, a position on the scanning line calculated from the angle of the mirror 22 or 28 is detected in the computer 24, and the detected fluorescence intensity is recorded in response to the position on the scanning line.

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